ABSTRACT

Disclosed is an invention for focally modulating the activity of a calcium channel in a mammal. In one aspect, the invention features a method that includes contacting a pre-determined tissue or organ region with a nucleic acid sequence encoding a GEM protein or a variant thereof to express the GEM protein or variant within the region. Typical methods further include expressing the GEM protein or variant so as to modulate the activity of the calcium channel. The invention has a wide spectrum of useful applications including treating a medical condition associated with unsuitable calcium channel activity.

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